

Title (en)  
AFFINITY DOMAIN FOR ANALYTE SENSOR

Title (de)  
AFFINITÄTSDOMÄNE FÜR ANALYTSSENSOR

Title (fr)  
DOMAINE D'AFFINITES POUR DETECTEURS D'ANALYTES

Publication  
**EP 1711789 A4 20100113 (EN)**

Application  
**EP 04811439 A 20041117**

Priority  
• US 2004038726 W 20041117  
• US 52383203 P 20031119  
• US 58778704 P 20040713  
• US 61468304 P 20040930

Abstract (en)  
[origin: WO2005052543A2] The preferred embodiments provide a membrane system (16), particularly for use on an electrochemical sensor (10a), wherein the membrane system includes an affinity domain that dampens the effects of target interferant(s) on the sensor. The affinity domain can be layer, surface, region, and/or portion of the membrane system formed using sorbents that have an affinity for the target interferant. The sorbents can be adapted to adsorb the interferants, for example using adsorbents such as chromatography packing materials. The sorbents can also be adapted to absorb the interferants by imprinting a molecular structure on the material that forms the affinity domain such that target interferants bind to the imprinted surfaces at the molecular level.

IPC 8 full level  
**A61B 5/00** (2006.01); **C12M 1/34** (2006.01); **C12Q 1/00** (2006.01); **G01N 27/327** (2006.01); **G01N 33/487** (2006.01)

IPC 8 main group level  
**G01N** (2006.01)

CPC (source: EP US)  
**A61B 5/0002** (2013.01 - US); **A61B 5/0004** (2013.01 - US); **A61B 5/05** (2013.01 - US); **A61B 5/1411** (2013.01 - US); **A61B 5/14503** (2013.01 - US); **A61B 5/14507** (2013.01 - US); **A61B 5/14514** (2013.01 - US); **A61B 5/14532** (2013.01 - EP US); **A61B 5/14546** (2013.01 - US); **A61B 5/1473** (2013.01 - US); **A61B 5/14735** (2013.01 - US); **A61B 5/1486** (2013.01 - US); **A61B 5/14865** (2013.01 - EP US); **A61B 5/1495** (2013.01 - US); **A61B 5/6801** (2013.01 - US); **A61B 5/6833** (2013.01 - US); **A61B 5/68335** (2017.07 - US); **A61B 5/6848** (2013.01 - US); **A61B 5/6849** (2013.01 - US); **A61B 5/72** (2013.01 - US); **A61B 17/3468** (2013.01 - US); **C12Q 1/002** (2013.01 - EP US); **A61B 5/14** (2013.01 - US); **A61B 5/145** (2013.01 - US); **A61B 5/1468** (2013.01 - US); **A61B 5/150022** (2013.01 - US); **A61B 2017/3492** (2013.01 - US); **A61B 2560/0223** (2013.01 - US); **A61B 2560/045** (2013.01 - US); **A61B 2562/18** (2013.01 - US); **A61M 5/14244** (2013.01 - US); **A61M 5/1723** (2013.01 - US); **A61M 2005/1585** (2013.01 - US); **Y02A 90/10** (2017.12 - US)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005052543 A2 20050609; WO 2005052543 A3 20061102**; EP 1711789 A2 20061018; EP 1711789 A4 20100113;  
US 2005176136 A1 20050811; US 2021045665 A1 20210218; US 2021045666 A1 20210218; US 2022240820 A1 20220804

DOCDB simple family (application)  
**US 2004038726 W 20041117**; EP 04811439 A 20041117; US 202017088381 A 20201103; US 202017088406 A 20201103;  
US 202217710433 A 20220331; US 99135304 A 20041116